



The National Wildlife Disease Program

John Baroch

Wildlife Disease Biologist



Contact Information

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Expertise/Experience:

- Avian influenza surveillance
- Feral swine diseases
- Wildlife toxicology
- Pesticide registration
- Rodent biology
- Rodenticides and rodenticide bait formulation
- Rodent control
- Animal care and use regulations
- Quality assurance (GLPs)

Current Projects:

- National avian influenza tissue archive
- Subtypes of avian influenza in wild birds
- Surveillance for avian bornavirus in wild birds
- Surveillance for novel avian-swine reassortant viruses
- National feral swine serum archive
- *Trichinella* and *Toxoplasma*
- Swine brucella
- Pseudorabies in feral swine

Education:

Graduate Studies – Zoology, Colorado State University
B.S. - Biology-Natural History concentration, Fort Lewis College

Publications

Hill, D.E., **J. Baroch**, S. Swafford, V. M. Fournet, D. Pyburn, B. Schmit, G. Theodoropoulos, P. Masuoka. Surveillance of feral swine for *Trichinella* spp. and *Toxoplasma gondii* in the U.S. and host related factors associated with infection. Submitted to Journal of Wildlife Diseases.

Deliberto, T. J., S. R. Swafford, D. L. Nolte, K. Pedersen, M. W. Lutman, B. SCHMIT, **J. A. Baroch**, D. J. Kohler and A. Franklin. 2009. [Surveillance for highly pathogenic avian influenza in wild birds in the USA](#). Integrative Zoology, 4: 426-439.

Baroch, J. A., and D. A. Plume. 2006. [White-tailed prairie dog population survey and habitat assessment in western Wyoming](#). In Roelle, et al., Recovery of the black-footed ferret – progress and continuing challenges: U.S. Geological Survey Scientific Investigations Report 2005-5293, 288 p.

Baroch, J., et al. 2006. [The case of the dying marsh grass](#). Scientific-Technical Committee of the Barataria-Terrabonne National Estuary Program, and Louisiana Department of Natural Resources, Baton Rouge, LA. 19 p.

Baroch, J. A., and D. A. Plume. 2004. Pinedale - White-tailed prairie dog survey. US Department of Interior, Bureau of Land Management, Wyoming State Office, Cheyenne, WY. 54 p.

Baroch, J. A. , M. Hafner, T. Brown, and J. Mach. 2002. [Nutria in Louisiana](#). Louisiana Department of Wildlife and Fisheries. 160 p.

Baroch, J. A. 1998. An overview of recent ground squirrel bait registration research supported by the California Bait Surcharge Program. In Proc. 18th Vertebr. Pest Conf. (A. C. Crabb, ed.) Univ. of California, Davis.

Baroch, J. A. 1996. Field efficacy of diphacinone grain baits used to control the California ground squirrel. In Proc. 17th Vertebr. Pest Conf. (A. C. Crabb, ed.) Univ. of California, Davis.

Baroch, J. A., and R. M. Poche. 1985. Preliminary field evaluation of a new formulation of Rozol (Chlorophacinone) bait against pocket gophers in Colorado. In Seventh Great Plains Wildlife Damage Control Workshop Proceedings, San Antonio, TX.

Posters

Baroch, J. A. 2003. A new application of an old wildlife management tool: Louisiana's nutria control incentive program. 10th Wildlife Damage Management Conference, Hot Springs AR.

Baroch, J. A. 1997. Secondary Hazard Study Using Chlorophacinone-Killed Laboratory Rats Fed to Black-billed Magpies (*Pica pica*). The Wildlife Society 4th Annual Conference, Snowmass, CO.

Presentations

Baroch, J. A., S. Swafford and D. Hill. 2010. Parasitic diseases in feral swine: trichinosis and toxoplasmosis. The Wildlife Society 17th Annual Conference. Snowbird, UT.

Baroch, J. A., T. J. DeLiberto, A. A. Aguirre, V. V. Barunyuk, O. R. Therkildsen, P. H. Jorgenson, A. Rodriguez-Palaci, J. LeJuene. 2009. Surveillance for avian influenza in wild birds in Russia, Greenland and Mexico. Wildlife Disease Association Conference, Blain, WA.

Baroch, J. A. 2004. Historical perspectives and current ecological impacts of nutria in Louisiana. 2nd National Invasive Rodent Summit. National Wildlife Research Center. Fort Collins, CO.

Borchert, J.N., K.L. March, J.J. Mach, **J.A. Baroch**, R.M. Poché. 2003. Establishing rodent breeding colonies for zoonotic disease study. 58th International Conference on Diseases in Nature Communicable to Man.

Stubblefield W.A., **J. Baroch**, P. Dressen, T. Spraker, and D. Getzy. 1997. Evaluation of the toxic properties of acid mine drainage water to snow geese. Society of Environmental Toxicology and Chemistry Conference.